PUBLIC NOTICE

PERMIT APPLICATION NUMBER: NRS 06.062

APPLICANT: Norfolk Southern Railroad Company
1200 Peachtree Street NE
Box 7-142
Atlanta, GA 30309
404-529-1228

LOCATION: From just north of the intersection of Howardville Road and the existing railroad to the state line. Hamilton County

WATERSHED DESCRIPTION: The proposed project is located in the Middle Tennessee-Chickamauga watershed (HUC 06020001). The proposed project would impact five streams and a wetland. The five streams are Cat Creek and 4 unnamed tributaries to Cat Creek. Cat Creek has a channel width approximately 5 to 6 feet and a channel depth of approximately 2 to 4 feet. Water depth is approximately 0 to 1 foot. The unnamed tributaries range in width from 2 to 8 feet and range from 1 inch to 1 foot in depth. Cat Creek and the unnamed tributaries to Cat Creek have not been assessed. Also located in the project is .015 acre of wetland. The land use in the immediate area is predominately residential and agriculture.

PROJECT DESCRIPTION: The applicant proposes to construct a new single track railroad that parallels the existing railroad from Howardville, TN to Cohutta, GA. The segment that is proposed in Tennessee is approximately 1.9 miles. The proposed railroad is needed to provide additional carrying capacity. Due to the proposed single track railroad, 4 streams are proposed to be encapsulated, one stream to be relocated and a wetland is proposed to be filled.

The streams to be encapsulated would be encased with steel pipes. All steel pipes would be installed along side the existing culverts and the streams would be transitioned into the new culverts. Transition areas would have riprap applied to prevent scouring. All steel pipes would be installed partially by jack and bore under the existing railroad and then by open cut through the area of the proposed single track. Existing culverts would not be removed. The abandoned stream channel would be backfilled and stabilized. Please see the list below for sizes and lengths of culverts.

Cat Creek (S-1)	95 feet of 2-66 inch steel pipes
Unnamed tributary to Cat Creek (S-2)	95 feet of 54 inch steel pipe
Unnamed tributary to Cat Creek (S-3)	102 feet of 36 inch steel pipe
Unnamed tributary to Cat Creek (S-0)	105 feet of 36 inch steel pipe

An unnamed tributary to Cat Creek (S-2A) would be relocated to accommodate the placement of fill material. The existing stream flows out of a pond (P-1) and flows along the base of the existing fill to another unnamed tributary to Cat Creek (S-2). The constructed channel would have a bottom width of 5 feet and have a depth of 1.5 feet. The right descending bank would be sloped at a 2:1 and the left descending bank would be sloped at a 2:1 and 1.5:1 in certain areas. The left descending bank would also have a riprap applied due to its close proximity to the proposed fill.

The wetland located adjacent to a pond (P-2) and an unnamed tributary to Cat Creek (S-3) would be permanently filled. The wetland is approximately 0.015 acre (637.2 square feet).

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Trent Thomas

USGS TOPOGRAPHIC QUADRANGLE: Ooltewah, TN (112 – SE)
McDonald, TN (120 – SW)
Cohutta, GA (121 – NW)
Ringgold, GA (113 – NE)

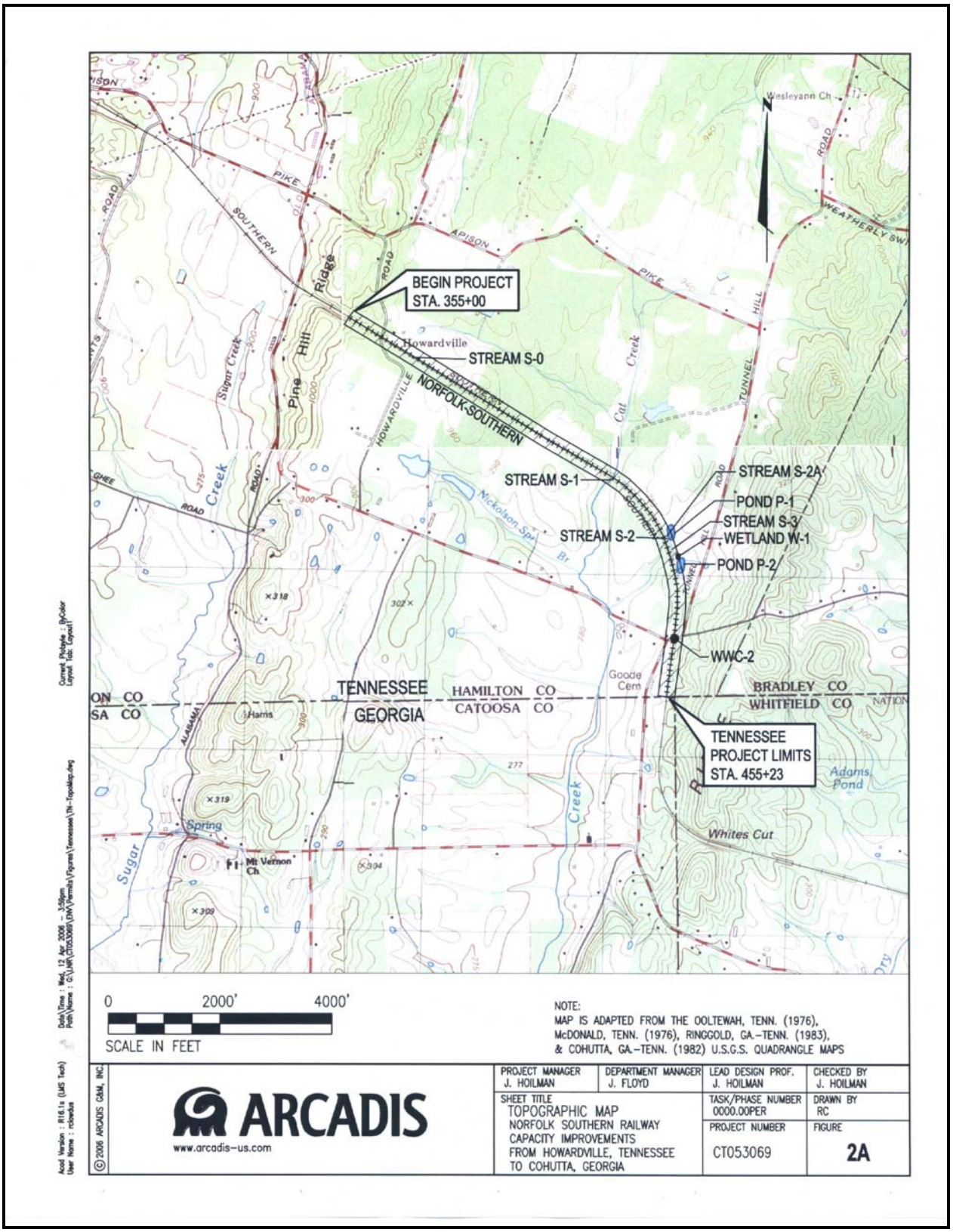

Figure 1: Topographic map showing location of proposed activities

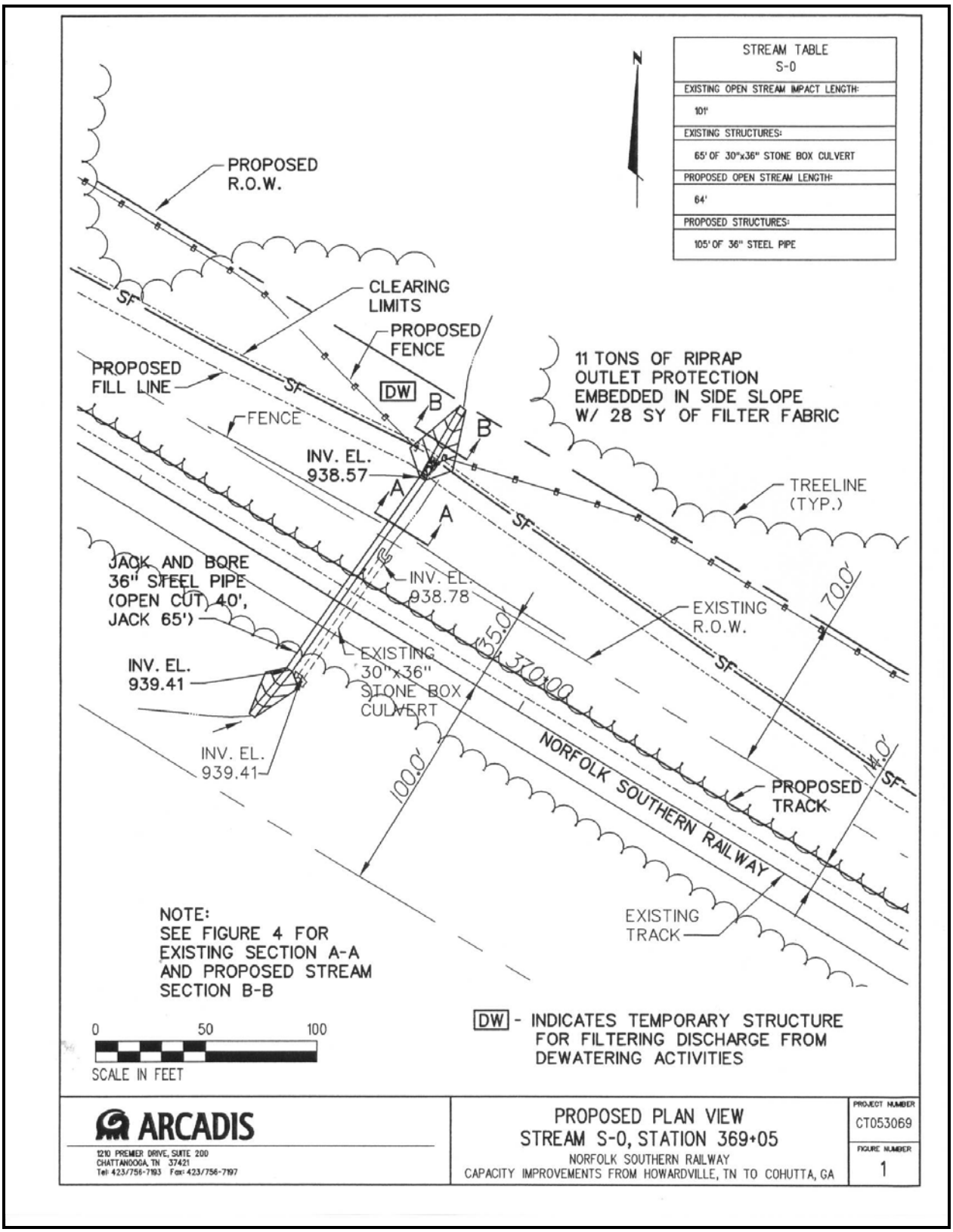

Figure 2: Proposed impacts at stream 0

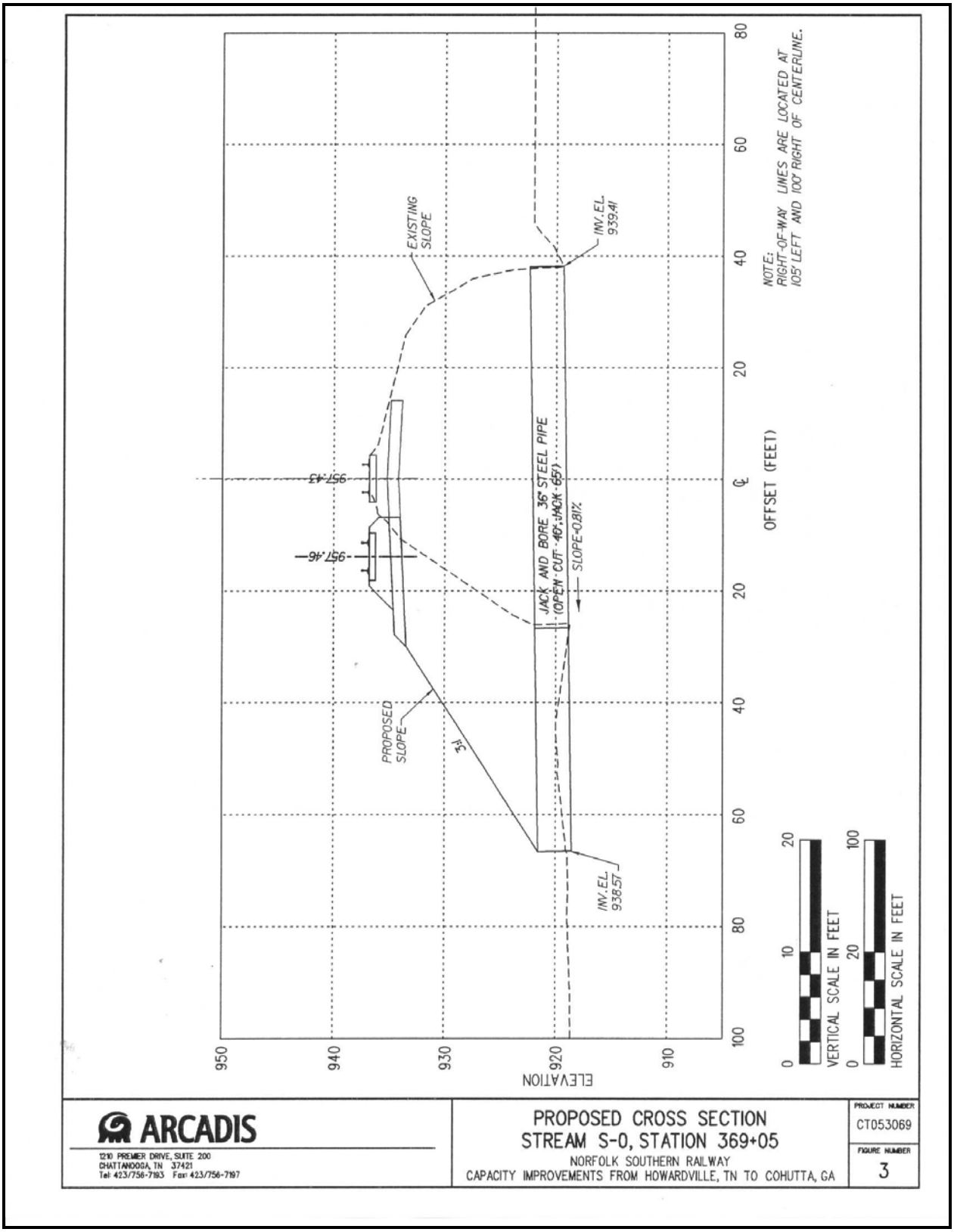

Figure 3: Typical cross section of proposed railroad

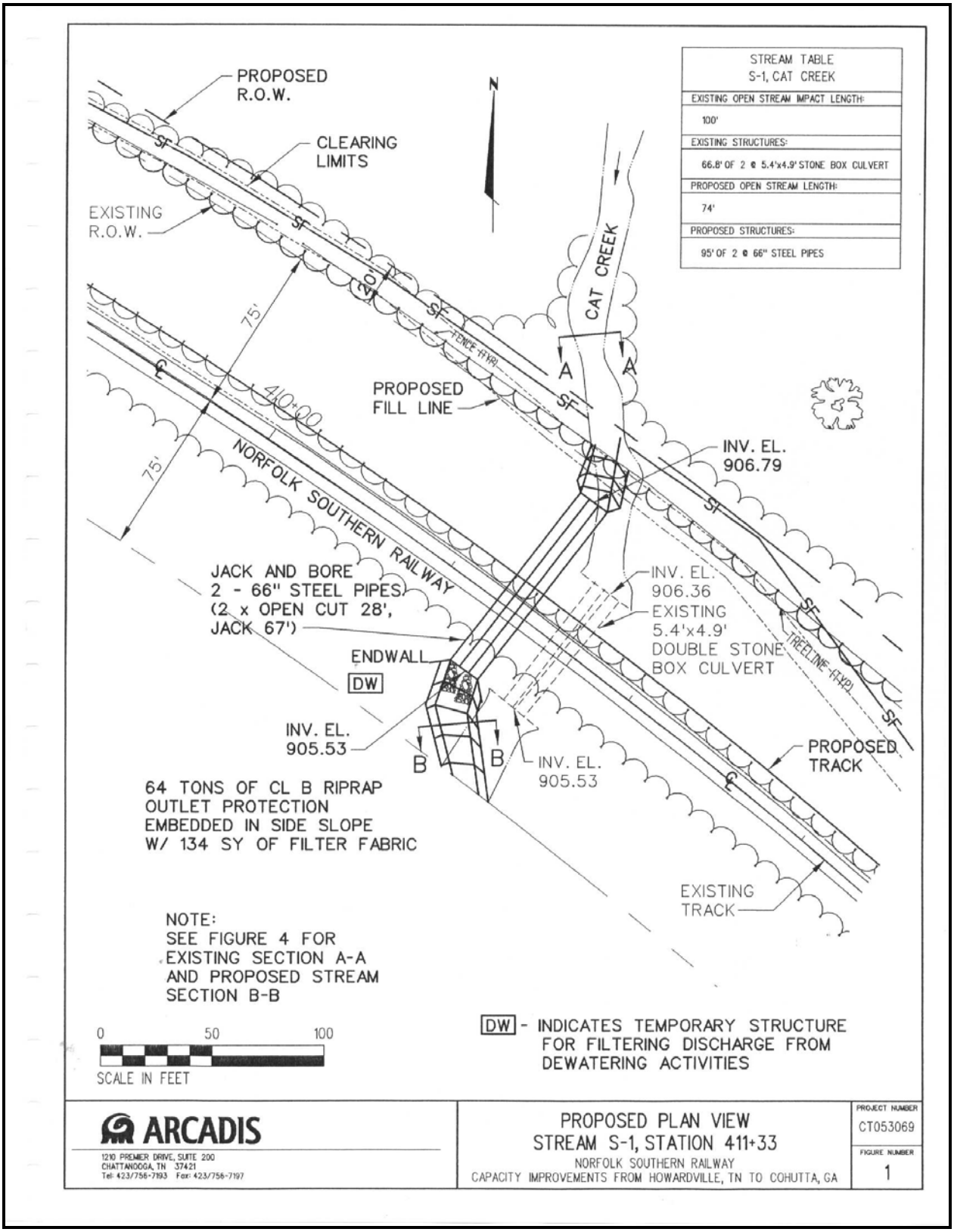

Figure 4: Proposed impacts to Cat Creek (stream 1)

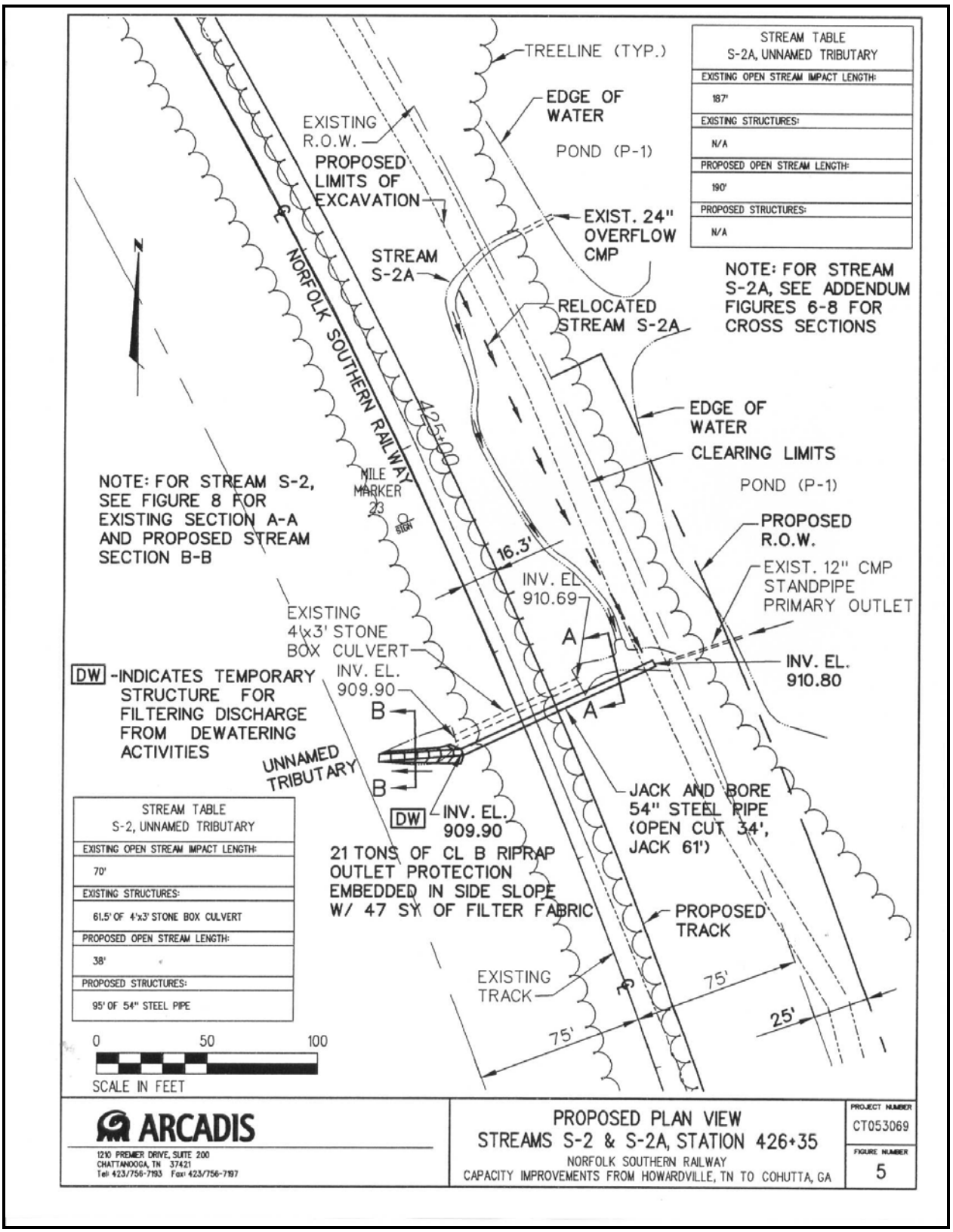

Figure 5: Proposed impacts at stream 2 and stream 2a

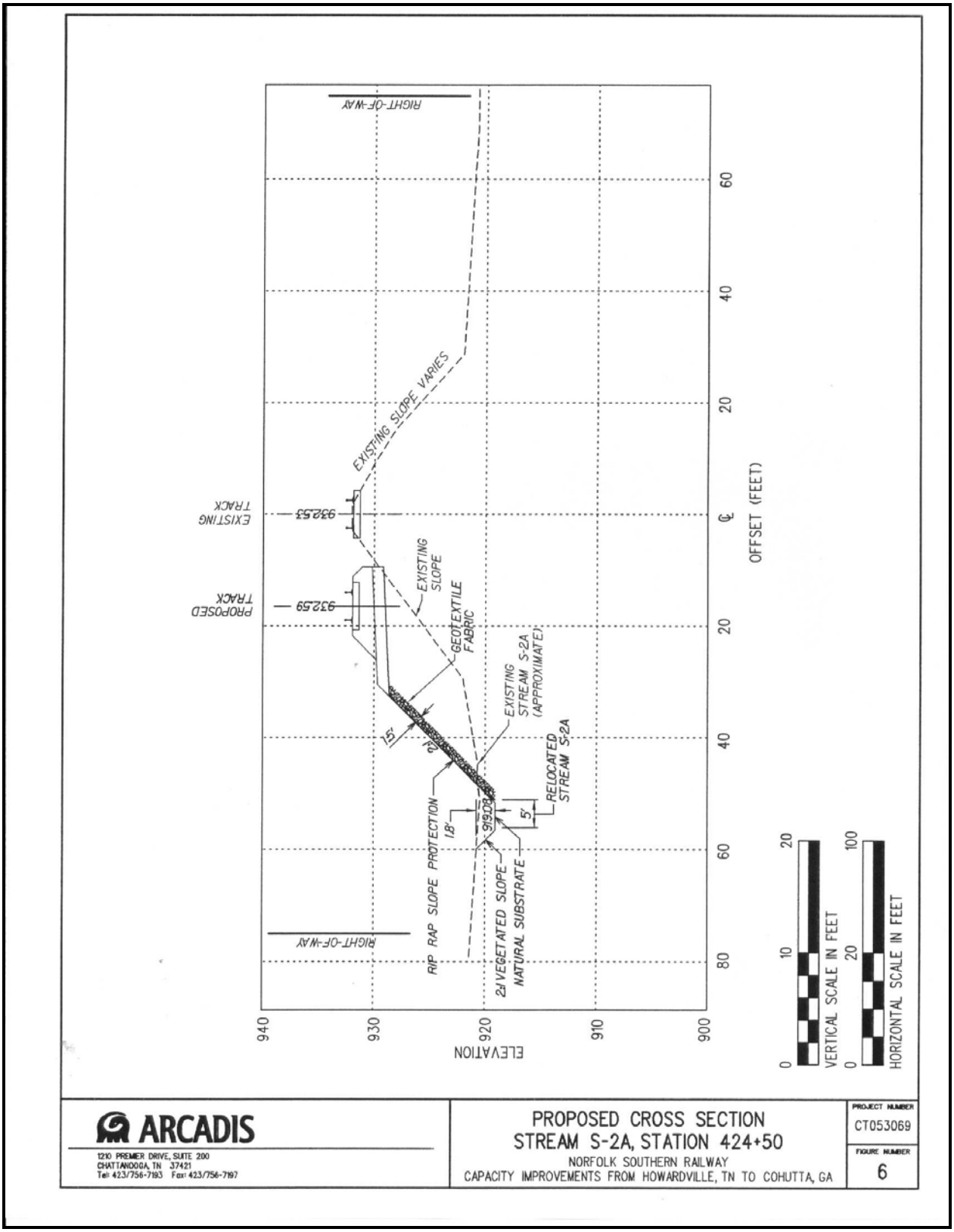

Figure 6: Cross section of relocated channel

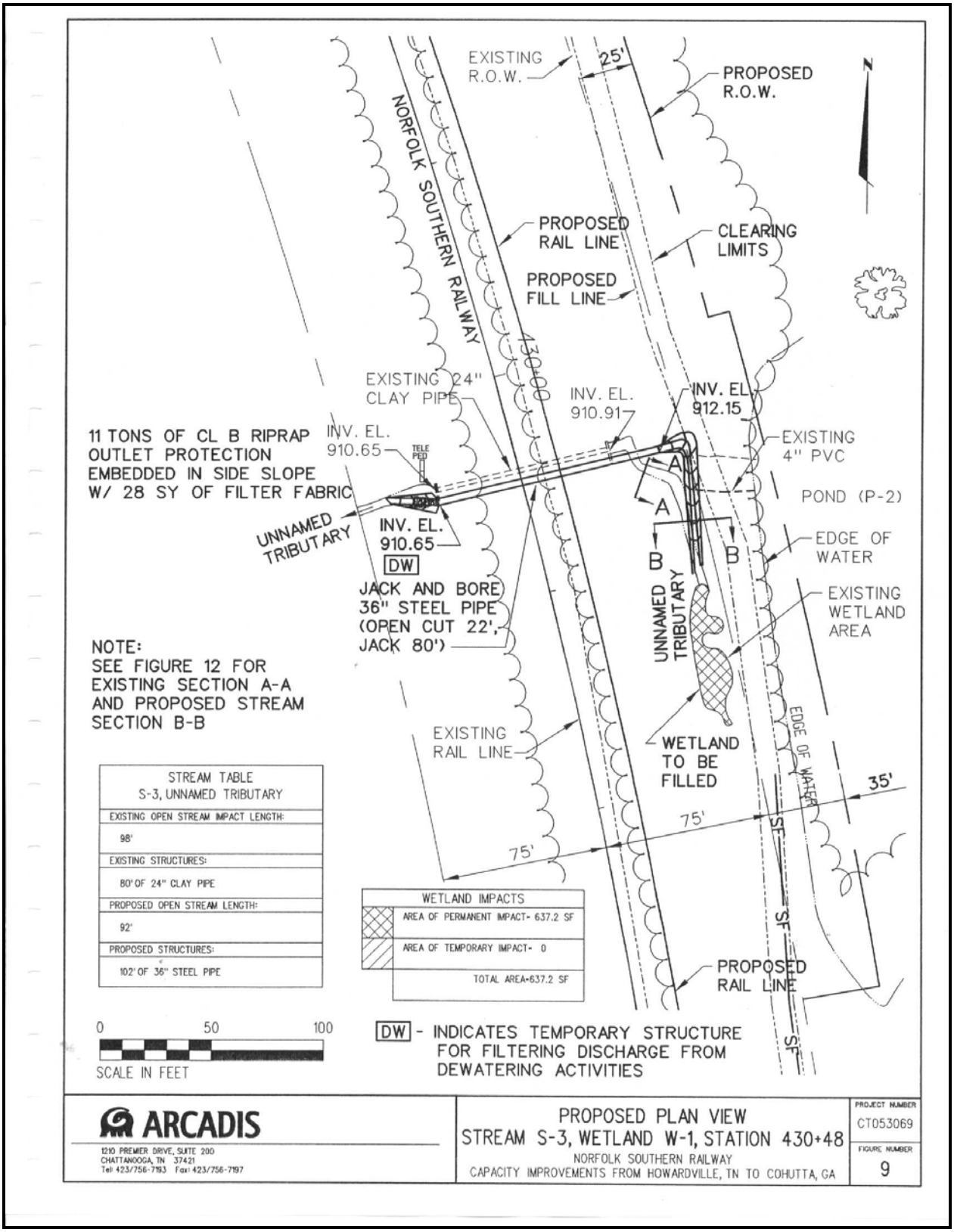

Figure 7: Proposed impacts to stream 3 and the wetland

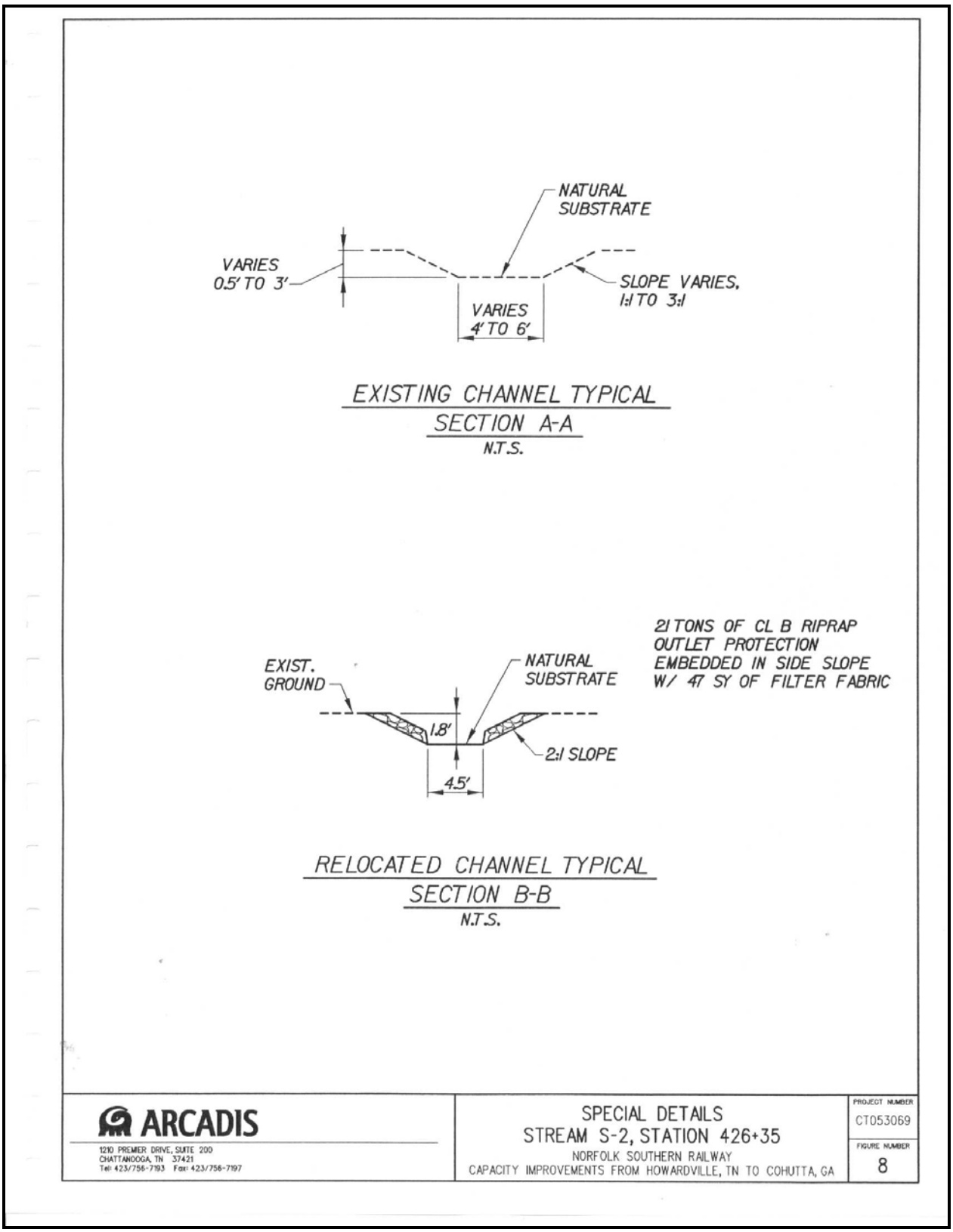

Figure 8: Typical cross section of the stream channel in the area of transition stream width varies at each stream